

# Multivapor™ Adapter Guide

The Multivapor Adapter Guide lists the full range of tube adapters for the P-6 and P-12 configurations. All adapters of the same format (i.e. P-6 or P-12) can be mixed arbitrarily in the transfer rack as the outer dimensions are identical. Each adapter set comprises 6 or 12 adapters with the corresponding seals and springs. Extra seals are recommended as spare parts. The standard material of the adapters is PETP. For very harsh conditions PEEK alternatives are available on request. Retaining springs facilitate the opening of the cover. Blank adapters are recommended to close vacant positions. With the help of label rings – available in two colors – similar adapters can easily be distinguished.



**Table 1:** Transfer and preparation rack for Multivapor

Order no.	Item	P-6	P-12	Picture
49755	Sample preparation stand for Multivapor P-12 for 12 samples		<input checked="" type="checkbox"/>	
49783	Sample preparation stand for Multivapor P-6 for 6 samples	<input checked="" type="checkbox"/>		
49251	Sample transfer and preparation rack for Multivapor P-12		<input checked="" type="checkbox"/>	
49250	Sample transfer and preparation rack for Multivapor P-6	<input checked="" type="checkbox"/>		
11055146	Sample transfer and preparation rack for Multivapor P-6 for P-12 Adapter	<input checked="" type="checkbox"/>		

**Table 2:** Common adapter accessories

Order no.	Item	P-6	P-12	Picture
11055812	1 blank Adapter P-12		<input checked="" type="checkbox"/>	
11055811	1 blank Adapter P-6	<input checked="" type="checkbox"/>		
48791	Set consisting of 12 blank adapters P-12		<input checked="" type="checkbox"/>	
49729	Set consisting of 6 blank adapters P-6	<input checked="" type="checkbox"/>		
44856	Set consisting of 60 PE frits	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
48756	Set consisting of 12 adapter springs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
49617	Set consisting of 12 green label rings		<input checked="" type="checkbox"/>	
49618	Set consisting of 12 black label rings		<input checked="" type="checkbox"/>	
48867	Set consisting of 12 EPDM rings for vacuum cover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
48827	Set consisting of 12 FKM rings for vacuum cover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

**Table 3: Multivapor™ P-12 threaded tubes**

Tube adapter set with seals and springs (qty 12)			Extra	Compatible glassware		
Adapter for:	PETP	PEEK	seals	Distributor or supplier (dimensions, volume/working volume)	Order-no. <sup>2)</sup>	Picture
Büchi standard tube P-12 (round bottom), SpeedExtractor tube (flat bottom) and Supelco screw cap vial. Generally: fits SVL 22 and GPI 24-400 screw threads. (Compatible with ASE and PSE)	48870	48855	48853	• Büchi: Set of 25 Büchi standard round bottom tubes (27 x 140 mm, 60 ml/30 ml)	49662	
				• Büchi: Set of 72 SpeedExtractor tubes, flat bottom (27 x 140 mm, 60 ml/30 ml)	49535	
				• Sigma-Aldrich: Set of 100 Supelco screw cap vials (29 x 80 mm, 40 ml/20 ml)	27028-U	
Radleys Carousel 12 Reaction Station tubes.	48871	48839	48876	• RDT: Set of 12 threaded reaction tubes (24 x 150 mm, 60 ml/30 ml)	RR98062	
Quick-Thread Radleys Carousel 12 Reaction Station tubes ( <b>qty 6</b> )	11055780	1)	11055995 (qty 6)	• RDT: Set of 12 Quick-Thread Glass Reaction tubes (24 x 150mm, 60ml/30ml)	RR91081	
Disposable conical polypropylene Falcon tub gth of 115 mm.	48818	48821	48743	• VWR: Set of 500 conical polypropylene centrifuge tube (30 x 115 mm, 50 ml/25 ml)	525-4216	
				• Fisher: only Falcon BlueMax tubes	14-432-22	
Disposable conical polypropylene Falcon tubes with an outer diameter of 17 mm and an approximate length of 115 mm.	48763	48856	48768	• VWR: Set of 500 conical polypropylene centrifuge tube (17 x 115 mm, 15 ml/8 ml)	734-0452	
				• Fisher: only Falcon BlueMax tubes	05-527-90	
GL 32 threaded tube typically used for Duran® laboratory bottles.	48781	1)	48792			
GL 25 threaded tube typically used for Duran® laboratory bottles.	51483	1)	48853	• VWR: Centrifuge tube (24 x 100 mm, 40 ml/20 ml)	527-1405	
Pyrex tubes with screw caps and PTFE rubber discs - ideal for culture work.	53122	1)	53125	• Barloworld Scientific: Pyrex screw cap tubes (20 x 100 mm, 30 ml/15 ml)	1636/36MP	
22 threaded glass vials with screw cap length 45 to 85mm, outer diameter 27.5  (Please verify the tube compatibility before ordering)	11055286	1)	53125			
KIMAX and IWAKI 15 threaded glass test and culture tubes with screw cap length 60 - 125mm, outer diameter 16mm  (Please verify the tube compatibility before ordering)	11055275	1)	51488			

1) PEEK tube adapters are available on request with a delivery time of approx. 8 weeks.

2) Only Büchi items are available from Büchi. For all other items – denoted in grey – please contact a local dealer.

Note: The order codes in grey may vary from country to country.

**Table 4: Multivapor™ P-12** flange tubes (crimp-top vials) longer than 60 mm and the following flange dimensions: OD 17 – 22 mm; ID 10 – 15 mm

Tube adapter set with seals and springs (qty 12)		Extra seals	Compatible glassware		
Adapter for:	PETP <sup>1)</sup>		Distributor or supplier (dimensions, volume/working volume)	Order-no. <sup>2)</sup>	Picture
Flange tubes with body diameter >17 mm (body bigger than flange), typically used for microwave synthesis (e.g. Biotage).	49747	Seals 49757 Springs 49731	<ul style="list-style-type: none"> <li>Biotage: Set of 55 microwave-safe glass vials (10 – 20 ml)</li> <li>Fisher: Wheaton V vials (20 x 61 mm, 5 ml/2,5 ml)</li> </ul>	354833 22-021-832	
Flange tubes with body diameter ≤17 mm (flange bigger than body), typically used for microwave synthesis (e.g. Biotage).	49758	Seals 49757	<ul style="list-style-type: none"> <li>Biotage: Set of 100 microwave-safe glass vials (0.5 – 2 ml, 2 – 5 ml, respectively)</li> </ul>	352016	

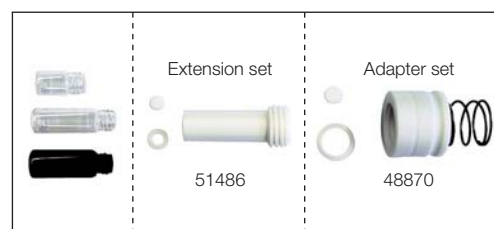
**Table 5: Multivapor™ P-12** test tubes without a rim or flange longer than 70 mm

Tube adapter set with seals and springs (qty 12)		Extra seals	Compatible glassware		
Adapter for:	PETP <sup>1)</sup>		Distributor or supplier (dimensions, volume/working volume)	Order-no. <sup>2)</sup>	Picture
Test tubes with OD = 25 ± 0.5 mm Compatible with FC30 Sepacore® fraction collector rack.	48873	49733	<ul style="list-style-type: none"> <li>Büchi: Set of 50 test tubes (25 x 150 mm, 60 ml/30 ml)</li> </ul>	38469	
Test tubes with OD = 20 ± 0.5 mm	48778	48779	<ul style="list-style-type: none"> <li>Büchi: Set of 100 test tubes (20 x 150 mm, 40 ml/20 ml)</li> </ul>	42845	
Test tubes with OD = 17 ± 0.5 mm	49708	48709			
Test tubes with OD = 16 ± 0.5 mm Compatible with FC60 Sepacore® fraction collector rack.	48770	48773	<ul style="list-style-type: none"> <li>Büchi: Set of 100 test tubes (16 x 130 mm, 20 ml/10 ml)</li> </ul>	38543	

**Table 6: Multivapor™ P-12** threaded vials Small threaded vials are equipped with a specific extension which fits to the Büchi standard adapter 48870.

The small diameter of these vials requires extra PE frits with a smaller diameter which are included in the extension set.

NOTE: The extension set 51486 requires the adapter set 48870 for proper operation with the Multivapor.







Adapter and extension set with seals and frits (qty 12)			Extra		Compatible glassware		
Adapter and extension for:	set type	PETP <sup>1)</sup>	seals	frits	Distributor or supplier (dimensions, volume/working volume)	Order-no. <sup>2)</sup>	Picture
Small threaded vials with GPI 13-425 cap size, typically manufactured from borosilicate glass, autoclavable. NOTE: Adapter set 48870 and extension set 51486 required.	extension	51486	51489	51490	<ul style="list-style-type: none"> <li>Sigma-Aldrich: Set of 200 Wheaton vials (15 x 46 mm, 4 ml/2 ml)</li> <li>VWR: Set of 500 Chromacol vials (15 x 46 mm, 4 ml/2 ml)</li> </ul>	Z188700-1PAK 548-1214	
	+	adapter	48870	48853			

<sup>1)</sup> PEEK tube adapters are available on request with a delivery time of approx. 8 weeks.

<sup>2)</sup> Only Büchi items are available from Büchi. For all other items – denoted in grey – please contact a local dealer.

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**Table 7: Multivapor™ P-6 vessels**

Tube adapter set with seals and springs (qty 6)			Extra	Compatible glassware		
Adapter for:	PETP	PEEK	seals	Distributor or supplier (dimensions, volume/working volume)	Order-no. <sup>2)</sup>	Picture
Büchi standard tube P-6 with round-bottom, GL 45 screw thread.	49761	49779	49764 (qty 6)	• Büchi: Set of 6 standard P-6 tubes (60 x 135 mm, 220 ml/150 ml)	49774	
Büchi SpeedExtractor flat bottom extraction vessel with SVL 22 cap and septum. (Compatible with Dionex ASE 300)	49692	1)	48853 (qty 12)	• Büchi: Set of 6 SpeedExtractor vessels (60 x 135 mm, 240 ml/ 180 ml)	52672	
Radleys Carousel 6 Reaction Station cylindrical round-bottom reaction flask. Also compatible with 50 ml flasks.	49766	49791	48792 (qty 12)	• RDT: Set of 6 cylindrical reaction flasks (60 x 110 mm, 170 ml/100 ml) • RDT: Set of 6 round bottom flasks (50 x 110 mm, 50 ml/30 ml)	RR99052 RR99070	
Büchi standard tube P-12 (round-bottom), Büchi SpeedExtractor tube (flat bottom) and Supelco screw cap vial. Generally: SVL 22 and GPI 24-400 screw threads fit. (Compatible with ASE / PSE)	49692	1)	48853 (qty 12)	• Büchi: Set of 25 Büchi standard tubes (27 x 140 mm, 60 ml/30 ml) • Büchi: Set of 72 SpeedExtractor tubes (27 x 140 mm, 60 ml/30 ml) • Sigma-Aldrich: Set of 100 Supelco screw cap vials (29 x 80 mm, 40 ml/20 ml)	49662 49535 27028-U	

1) PEEK tube adapters are available on request with a delivery time of approx. 8 weeks.

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### Customised Adapter for Multivapor P-12 and P-6

To get best results and fasten up the process please follow the instruction and contact you local sales organisation.  
My tube is:

- 1)  **P6:** within the limitations for a **screw-thread tube:** length 70 – 150 mm; OD 14 – 58 mm; ID > 10 mm; thread: at least 2 windings
- 2)  **P12:** within the limitations for a **screw-thread tube:** length 70 – 150 mm; OD 14 – 30 mm; ID > 10 mm; thread: at least 2 windings
- 3)  **P12:** within the limitations for a **flange tube:** length 50 – 150 mm; OD 14 – 30 mm; ID > 10 mm; OD flange 14-22 mm
- 4)  **P12:** within the limitations for a **screw-thread vial:** length 15 – 70 mm; OD 15 – 25 mm; ID > 7 mm; thread: at least 2 windings
- 5)  out of the specification above: \_\_\_\_\_  
\_\_\_\_\_
- 6)  We need in minimum 3 tubes as reference. Be aware to send us one tube on the lower limit and one on the upper limit of the dimensions.

